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Tabular data relating to three papers in

Phil. Trans. R. Soc. Lond. B, vol. 286

W. Speculations on seed dispersal and the flora of the Aldabra archipelago

BY G. E. WICKENS

F. A twelve month study of insect abundance and composition
at various localities on Aldabra Atoll

BY DAWN W. FRITH

H. Numbers of plant species on the islands of Aldabra Atoll

BY SARAH H. HNATIUK

Tables 1 and 2 of paper entitled

Speculations on seed dispersal and the flora of the Aldabra archipelago

BY G. E. WICKENS

in Phil. Trans. R. Soc. Lond. B, vol. 286

TABLE 1. CHECK LIST OF THE TERRESTRIAL FLORA: ITS DISTRIBUTION, MODE OF
DISPERSAL AND STATUS. Nomenclature follows that accepted for
'The Flora of Aldabra and Neighbouring Islands' by F.R. Fosberg
& S.A. Renvoize (in press).

Ald. - Aldabra

Ast. - Astove

Mad. - Madagascar

Ass. - Assumption

Sey. - Seychelles

Masc. - Mascarenes

Cos. - Cosmoledo

Afr. - Africa

† denotes no longer extant

	distribution	propagule	dispersal				status	
			wind	seed	birds			man
					internal	external		
1. <i>Acrostichum aureum</i>	pantropical	spore	+				native	
2. <i>Nephrolepis biserrata</i>	pantropical	spore	+				native	
3. <i>Annona squamosa</i>	pantropical	seed				+	introduced, cult.	
4. <i>Cissampelos pareira</i> var. <i>hirsuta</i>	palaeotropical	drupe			+		native	
5. <i>Brassica nigra</i>	cosmopolitan	seed				+	introduced, cult.	
6. <i>Capparis cartilaginea</i>	palaeotropical	seed			?		native	
7. <i>Cleome strigosa</i>	Afr.-Masc.	seed		?	?		native, strand	
8. <i>Gynandropsis gynandra</i>	pantropical	seed				+	introduced, weed	
9. <i>Maerua triphylla</i> var. <i>pubescens</i>	Afr.-Masc.	berry			?		native	
10. <i>Flacourtia ramontchii</i> var. <i>renvoizei</i>	Ald., Ast.	berry			+		endemic	
11. <i>Ludia mauritiana</i>	Afr.-Mad.	berry			?		native	
12. <i>Portulaca mauritiensis</i> var. <i>aldabrensis</i>	Ald., Ass.	seed		?	?		endemic	
13. " " var. <i>grubbii</i>	Cosmoledo	seed		?	?		endemic	
14. " <i>oleracea</i> var. <i>oleracea</i>	pantropical	seed		+	+	+	? native	
15. " " var. <i>delicatula</i>	Aldabra	seed		?	?		endemic	
16. " " var. <i>granulato-stellulata</i>	pantropical	seed		?	?		? native	
17. <i>Calophyllum inophyllum</i> var. <i>takamaka</i>	W. Indian Ocean	drupe		+	+		endemic, strand	

	distribution	propagule	dispersal				man	status
			wind	seed	birds			
					internal	external		
18. <i>Abutilon angulatum</i>	Afr.-Mad.	seed					+	introduced, weed
19. <i>Abutilon fruticosum</i>	palaeotropical	seed					+	introduced, weed
20. <i>Abutilon pannosum</i>	palaeotropical	seed					+	introduced, weed
21. <i>Gossypium hirsutum</i>	pantropical	seed					+	introduced, cult.
22. <i>Hibiscus abelmoschus</i>	pantropical	seed					+	introduced, cult.
23. <i>Hibiscus tiliaceus</i>	pantropical	seed		+				native, strand
24. <i>Sida acuta</i>	pantropical	seed					+	introduced, weed
25. <i>Sida parviflora</i>	Indian Ocean	seed			?		?	native
26. <i>Sida rhombifolia</i>	pantropical	seed					+	introduced, weed
27. <i>Thespesia populnea</i>	pantropical	seed		+				native, strand
28. <i>Thespesia populneoides</i>	Indo-Pacific	seed		+				native, lagoon
29. <i>Corchorus aestuans</i>	pantropical	seed					+	introduced, weed
30. <i>Grewia aldabrensis</i>	Aldabra	drupe			?			endemic
31. <i>Grewia salicifolia</i>	Ald., Cos.	drup			?			endemic
32. <i>Triumfetta procumbens</i>	Indo-Pacific	drupe		+		+		native, strand
33. <i>Erythroxylum acranthum</i>	Ald., Ass., Cos.	drupe			?			endemic
34. <i>Tribulus cistoides</i>	pantropical	mericarp					+	introduced, weed

	distribution	propagule	dispersal				status	
			wind	seed	birds			man
					internal	external		
35. <i>Oxalis</i> sp.	?	? seed					? ? introduced †	
36. <i>Citrus aurantifolia</i>	pantropical	seed/plant					+ introduced, cult.†	
37. <i>Suriana maritima</i>	pantropical	nucule		+		+	native, strand	
38. <i>Ochna ciliata</i>	Madagascar	drupelet				+	native	
39. <i>Malleastrum leroyi</i>	Aldabra	drupe				?	endemic	
40. <i>Xylocarpus granatum</i>	Indo-Pacific	seed		+			native, lagoon	
41. <i>Xylocarpus moluccensis</i>	Indo-Pacific	seed		+			native, lagoon	
42. <i>Apodytes dimidiata</i>	palaeotropical	drupe				+	native	
43. <i>Maytenus senegalensis</i>	palaeotropical	seed				?	native	
44. <i>Mystroxyloa aethiopicum</i>	Afr.-Mad.	drupe				?	native	
45. <i>Colubrina asiatica</i>	Indo-Pacific	seed		+			native, strand	
46. <i>Gouania scandens</i>	Afr.-W. Ind. Ocean	mericarp	+				native	
47. <i>Scutia myrtina</i>	Afr.-Mad.	drupe				+	native	
48. <i>Allophylus aldabricus</i>	Ald., Ass., Cos., Ast.	drupe				+	endemic	
49. <i>Dodonaea viscosa</i>	pantropical	samara	+	+	+	+	native	
50. <i>Macphersonia hilderbrandtii</i>	Afr.-Mad.	drupe				?	native	
51. <i>Operculicarya gummifera</i>	Madagascar	drupe				?	native	

	distribution	propagule	dispersal				man	status
			wind	sea	birds			
					internal	external		
52. <i>Moringa oleifera</i>	pantropical	? seed	+				+	introduced, cult.
53. <i>Caesalpinia bonduc</i>	pantropical	seed		+	+			native, strand
54. <i>Cassia aldabrensis</i>	Ald., Ass.	seed			?			endemic
55. <i>Cassia occidentalis</i>	pantropical	seed					+	introduced, weed
56. <i>Delonix regia</i>	Madagascar	seed					+	introduced, cult.
57. <i>Tamarindus indica</i>	palaeotropic	seed					?	? introduced, cult.
58. <i>Calliandra alternans</i>	Madagascar	? seed			?		?	native
59. <i>Dichrostachys microcephala</i>	Madagascar	seed			?			native
60. <i>Abrus precatorius</i> subsp. <i>africanus</i>	Afr.-W. Ind. Oc.	seed			+			native
61. <i>Canavalia rosea</i>	pantropical	seed		+				native, strand
62. <i>Clitoria ternatea</i>	pantropical	seed					+	introduced, cult.
63. <i>Crotalaria laburnoides</i> var. <i>laburnoides</i>	trop. Africa	seed			?			native
64. <i>Erythrina variegata</i>	palaeotropical	seed		+	+		?	? native, strand
65. <i>Indigofera</i> sp.	?	seed			?			native
66. <i>Sophora tomentosa</i>	Indo-Pacific	seed		+				native, strand
67. <i>Tephrosia pumila</i> var. <i>aldabrensis</i>	trop. Africa	seed			?			native
68. <i>Terammus labialis</i> subsp. <i>arabicus</i>	Afr.-Mad.	seed			?		?	? introduced, weed

	distribution	propagule	dispersal				status	
			wind	sea	birds			man
					internal	external		
69. <i>Vigna marina</i>	pantropical	seed		+			native, strand	
70. <i>Vigna unguiculata</i>	pantropical	seed				+	introduced, cult.	
71. <i>Brexia madagascariensis</i>	Afr.-Mad.	fruit		+			native, strand	
X 72. <i>Bruguiera gymnorhiza</i>	Indo-Pacific	seedling		+			native, lagoon	
73. <i>Cassipourea thomassetii</i>	Aldabra	seed			?		endemic	
74. <i>Ceriops tagal</i>	Indo-Pacific	seedling		+			native, lagoon	
75. <i>Rhizophora mucronata</i>	Indo-Pacific	seedling		+			native, lagoon	
76. <i>Lumnitzera racemosa</i>	Indo-Pacific	pseudocarp		+			native, lagoon	
77. <i>Terminalia boivinii</i>	Afr.-Mad.	drupe			+		native	
78. <i>Terminalia catappa</i>	palaeotropical	drupe		+		?	? native, strand	
79. <i>Eugenia elliptica</i> var. <i>levinervis</i>	Aldabra	berry			?		endemic	
80. <i>Pemphis acidula</i>	Indo-Pacific	seed		+		+	native, strand	
81. <i>Sonneratia alba</i>	Indo-Pacific	berry		+			native, lagoon	
82. <i>Turnera ulmifolia</i>	pantropical	seed				+	introduced, weed	
83. <i>Passiflora foetida</i> var. <i>hispida</i>	pantropical	seed			+	+	introduced, cult.	
84. <i>Passiflora suberosa</i>	pantropical	seed			+	+	introduced, cult.	
85. <i>Carica papaya</i>	pantropical	seed				+	introduced, cult.	
86. <i>Cucumis anguria</i>	trop. Africa	seed				+	introduced, cult.	

	distribution	propagule	dispersal				status	
			wind	sea	birds			man
					internal	external		
87. Cucumis melo	palaeotropical	seed			?	?	? native	
88. Cucurbita moschata	pantropical	seed				+	introduced, cult.	
89. Lagenaria siceraria	pantropical	seed		+		+	introduced, cult.	
90. Momordica charantia	pantropical	seed			+	+	introduced, cult.	
91. Peponium sublitorale	Aldabra	seed			?	?	endemic, strand	
92. Trichosanthes cucumerina	palaeotropical	seed			+	+	introduced, cult.	
93. Sesuvium portulacastrum	pantropical	seed/plant		+		+	native, lagoon	
94. Trianthema portulacastrum	pantropical	capsule		+	?	?	native	
95. Mollugo nudicaulis	pantropical	seed				+	introduced, weed	
96. Mollugo oppositifolia	pantropical	seed			?		native	
97. Canthium bibracteatum	Afr.-Mad.	drupe			?		native	
98. Guettarda speciosa	Indo-Pacific	drupe		+			native, strand	
99. Hedyotis corallicola	Cos., Ast.	seed			?		endemic	
100. Hedyotis lancifolia var. brevipes	trop. Africa	seed				?	? introduced, weed	
101. Hedyotis prolifera	Ald., Ass.	seed			?		endemic	
102. Polysphaeria multiflora	Afr.-Mad.	drupe			?		native	
103. Psychotria pervillei	Ind.-Ocean	drupe			?		native	
104. Tarenna supra-axillaris	Aldabra	drupe			?		endemic	

	distribution	propagule	dispersal					status
			wind	sea	birds		man	
					internal	external		
105. <i>Tarenna trichantha</i>	Afr.-Mad.	drupe			?			native
106. <i>Tarenna verdcourtiana</i>	Ald.-Ass.	drupe			+			endemic
107. <i>Triainolepis fryeri</i>	Ald., Ass., Cos.	drupe			+			endemic
108. <i>Tricalysia sonderana</i>	Afr.-Mad.	drupe			+			native
109. <i>Bidens pilosa</i>	pantropical	cypsela					+	introduced, weed
110. <i>Launaea intybacea</i>	pantropical	cypsela	+				+	introduced, weed
111. <i>Launaea sarmentosa</i>	Indo-Pacific	cypsela		+				native, strand
112. <i>Melanthera biflora</i>	Indo-Pacific	cypsela		+				native, strand
113. <i>Synedrella nodiflora</i>	pantropical	cypsela					+	introduced, weed
114. <i>Tridax procumbens</i>	pantropical	cypsela	+				+	introduced, weed
115. <i>Vernonia cinerea</i>	pantropical	cypsela					+	introduced, weed
116. <i>Vernonia grandis</i>	Madagascar	cypsela	?					native
117. <i>Scaevola taccada</i>	Indo-Pacific	drupe		+	+			native, strand
118. <i>Plumbago aphylla</i>	Afr.-Mad.	anthocalp					+	? native
119. <i>Sideroxylon inerme</i> subsp. <i>cryptophlebia</i>	Ald., Ass., Cos., Ast.	berry			+			endemic
120. <i>Jasminum elegans</i>	Madagascar	drupe			?			native
121. <i>Azima tetraacantha</i>	palaeotropical	berry			?			native
122. <i>Salvadora angustifolia</i> var. <i>angustifolia</i>	Madagascar	drupe			?		?	? native

	distribution	propagule	dispersal					status
			wild	sea	birds		man	
					internal	external		
123.	<i>Carissa edulis</i>	palaeotropical			?			native
124.	<i>Catharanthus roseus</i>	pantropical					+	introduced, cult.
125.	<i>Pandaca mauritiana</i>	Mascarenes			?			native
126.	<i>Pentopetia androsaernifolia</i>	Madagascar	?				+	? introduced, cult.
127.	<i>Pleurostelma cernuum</i>	Afr.-Mad.	?					native
128.	<i>Sarcostemma viminale</i>	Afr.-Mad.	?					native
129.	<i>Secamone fryeri</i>	Ald., Ass., Ast.	?					endemic
130.	<i>Tylophora indica</i>	trop. Asia	?					native
131.	<i>Cordia subcordata</i>	Indo-Pacific					+	native, strand
132.	<i>Ehretia corymbosa</i>	Afr.-Mad.			?			native
133.	<i>Tournefortia argentea</i>	Indo-Pacific					+	native, strand
134.	<i>Evolvulus alsinoides</i>	pantropical					?	? introduced, weed
135.	<i>Ipomoea batatas</i>	pantropical					+	introduced, cult.
136.	<i>Ipomoea macrantha</i>	pantropical					+	native, strand
137.	<i>Ipomoea obscura</i>	palaeotropical			?			native, strand
138.	<i>Ipomoea pes-caprae</i> subsp. <i>brasiliensis</i>	pantropical					+	native, strand
139.	<i>Capsicum annum</i>	pantropical					+	introduced, cult.
140.	<i>Capsicum frutescens</i>	pantropical					+	introduced, cult.

	distribution	propagule	dispersal				status	
			wild	sea	birds			man
					internal	external		
141. Datura metel	palaeotropical	seed					+	introduced, cult.
142. Nicotiana tabacum	pantropical	seed					+	introduced, cult.
143. Solanum indicum var. aldabrense	Aldabra	berry			+			endemic
144. Solanum lycopersicum	cosmopolitan	seed			?		+	introduced, cult.
145. Solanum melongena	cosmopolitan	seed			?		+	introduced, cult.
146. Solanum nigrum var. americanum	pantropical	berry			+		+	? introduced, weed
147. Bacopa monnieri	pantropical	seed					?	native
148. Bryodes micrantha	Madagascar-Masc.	seed					?	native
149. Striga asiatica	palaeotropical	seed					+	introduced, weed
150. Tabebuia pallida	pantropical	seed					+	introduced, cult.
151. Asystasia gangetica	palaeotropical	seed			?			native
152. Barleria decaisniana	Madagascar	seed			?		+	introduced, weed
153. Hypoestes aldabrensis	Ald., Ass., Cos., Ast.	seed			?			endemic
154. Justicia procumbens	trop. Asia, Ind.Ocean	seed			?			native
155. Ruellia monanthos	Madagascar	seed			?			native
156. Avicennia marina	Indo-Pacific	seedling		+				native, lagoon
157. Clerodendrum glabrum var. minutiflorum	Ald., Ass., Cos., Ast.	drupe			?			endemic
158. Congea griffithiana	trop. Asia	drupe		+			+	introduced, cult.

	distribution	propagule	dispersal					status	
			wild	sea	birds		man		
					internal	external			
159. <i>Lantana camara</i> var. <i>aculeata</i>	pantropical	drupe			+		+	introduced, cult.	
160. <i>Premna obtusifolia</i>	Indo-Pacific	drupe				+		native	
161. <i>Stachytarpheta jamaicensis</i>	pantropical	nutlet					+	introduced, weed	
162. <i>Stachytarpheta urticifolia</i>	pantropical	nutlet					+	introduced, weed	
163. <i>Nesogenes dupontii</i>	Ald., Ass., Cos., Ast.	drupe				?		endemic	
164. <i>Leonotis nepetifolia</i>	pantropical	nutlet					+	introduced	
165. <i>Ocimum basilicum</i>	pantropical	nutlet					+	introduced, cult.	
166. <i>Ocimum canum</i>	pantropical	nutlet					+	introduced, cult.	
167. <i>Ocimum gratissimum</i>	pantropical	nutlet					+	introduced, cult.	
168. <i>Ocimum sanctum</i>	pantropical	nutlet					+	+	introduced, cult.
169. <i>Boerhavia africana</i>	palaeotropical	anthocarp					+	?	? introduced
170. <i>Boerhavia crispifolia</i>	Aldabra	anthocarp					+		endemic
171. <i>Boerhavia repens</i> var. <i>maris-indici</i>	Aldabra	anthocarp					+		endemic
172. <i>Mirabilis jalapa</i>	pantropical	anthocarp						+	introduced, cult.
173. <i>Pisonia aculeata</i>	pantropical	anthocarp						?	native
174. <i>Pisonia grandis</i>	Indo-Pacific	anthocarp						+	native, strand
175. <i>Achyranthes aspera</i> var. <i>fruticosa</i>	pantropical	utricle						+	? native
176. " " var. <i>velutina</i>	Indo-Pacific	utricle						+	? native

	distribution	propagule	dispersal					status	
			wild	sea	birds		man		
					internal	external			
177.	<i>Alternanthera pungens</i>	pantropical					+	introduced, weed	
178.	<i>Amaranthus dubius</i>	pantropical					+	introduced, weed	
179.	<i>Amaranthus viridis</i>	pantropical					+	introduced, weed	
180.	<i>Deeringia polysperma</i>	trop. Asia				?		native	
181.	<i>Lagrezia oligomeroides</i>	Ald., Ass., Cos., Sey.				?		endemic	
182.	<i>Arthrocnemum pachystachyum</i>	Afr.-Mad.					+	native, ? lagoon	
183.	<i>Cassythia filiformis</i>	pantropical					+	native	
184.	<i>Hernandia nymphaeifolia</i>	pantropical				?	?	native, strand	
185.	<i>Bakerella clavata</i>	Madagascar					+	native	
186.	<i>Viscum triflorum</i>	W. Ind. Ocean					+	native	
187.	<i>Acalypha claoxyloides</i>	Ald., Ass., Cos., Ast.					+	endemic	
188.	<i>Acalypha indica</i>	palaeotropical						+	introduced, weed
189.	<i>Euphorbia hirta</i>	pantropical						+	introduced, weed
190.	<i>Euphorbia indica</i> var. <i>pubescens</i>	Indian Ocean					?	?	? introduced, weed
191.	<i>Euphorbia mertonii</i>	Aldabra						?	endemic
192.	<i>Euphorbia prostrata</i>	pantropical						+	introduced, weed
193.	<i>Euphorbia pyrifolia</i>	W. Ind. Ocean						?	native

	distribution	propagule	dispersal					status
			wind	sea	birds		man	
					internal	external		
194. <i>Euphorbia stoddartii</i>	Ald., Ass., Cos., Ast.	cocci						endemic
195. <i>Margaritaria anomala</i> var. <i>cheloniphorbe</i>	Ald., Cos., Ast.	cocci			?			endemic
196. <i>Pedilanthus tithymaloides</i>	pantropical	mericarp					+	introduced, cult.
197. <i>Phyllanthus amarus</i>	pantropical	cocci			?		+	introduced, weed
198. <i>Phyllanthus casticum</i>	Mad.-Masc	regna			+			native
199. <i>Phyllanthus maderaspatensis</i> var. <i>frazieri</i>	Ald., Ast.	cocci			?			endemic
200. <i>Phyllanthus mckenzei</i>	Ald., Cos.	cocci			?			endemic
201. <i>Ricinus communis</i>	pantropical	cocci		+	?		+	introduced, cult.
202. <i>Laportea aestuans</i>	pantropical	achene			?			native
203. <i>Obetia ficifolia</i>	Mascarenes	achene			+			native
204. <i>Ficus avi-avi</i>	W. Ind. Ocean	fig.			?			native
205. <i>Ficus nautarum</i>	W. Ind. Ocean	fig.			+			native
206. <i>Ficus reflexa</i>	Mad.-W. Ind. Ocean	fig.			?			native
207. <i>Maillardia pendula</i>	Aldabra	drupe			+			endemic
208. <i>Casuarina equisetifolia</i>	Indo-Pacific	seed	+	+	+		?	native, strand
209. <i>Acampe rigida</i>	palaeotropical	seed	?					native
210. <i>Angraecum eburneum</i>	Mad.-Masc.	seed	?					native
211. <i>Hederorkis seychellensis</i>	Ald., Seychelles	seed	?					native †

	distribution	propagule	dispersal					status
			wind	sea	birds		man	
					internal	external		
212. <i>Musa</i> sp.	pantropical	cuttings					+	introduced, cult. †
213. <i>Dioscorea bemarivensis</i>	Madagascar	seed	+					native
214. <i>Agave sisalana</i>	pantropical	bulbils					+	introduced, cult.
215. <i>Asparagus umbellulatus</i>	Mascarenes	berry			+			native
216. <i>Dracaena reflexa</i> var. <i>angustifolia</i>	Mad.-Masc.	berry			?			native
217. <i>Lomatophyllum aldabrense</i>	Ald., Ass., Ast.	berry			+			endemic
218. <i>Commelina benghalensis</i>	pantropical	seed/stem			?	?	+	introduced, weed
219. <i>Cocos nucifera</i>	pantropical	drupe		+			+	native, strand
220. <i>Lodoicea maldivica</i>	Seychelles	drupe		+			+	introduced, cult. †
221. <i>Phoenix dactylifera</i>	pantropical	drupe			?		+	introduced, cult.
222. <i>Pandanus aldabraensis</i>	Aldabra	phalange		+				endemic
223. <i>Pandanus tectorius</i>	Indo-Pacific	phalange		+				native, strand
224. <i>Najas graminea</i>	palaeotropical	nutlet			+			native
225. <i>Bulbostylis basalis</i>	Aldabra	achene			?			endemic
226. <i>Bulbostylis hirta</i>	pantropical	achene			?			native
227. <i>Cyperus aromaticus</i> var. <i>elatus</i>	Afr.-Mad.	achene			?			native
228. <i>Cyperus bigibbosus</i>	Aldabra	achene			?			endemic
229. <i>Cyperus bulbosus</i>	palaeotropical	achene			?		?	? introduced, weed

	distribution	propagule	dispersal					status	
			wind	sea	birds		man		
					internal	external			
230. <i>Cyperus conglomeratus</i>	palaeotropical	achene			?			native, strand	
231. <i>Cyperus dubius</i>	palaeotropical	achene			?			native	
232. <i>Cyperus ligularis</i>	pantropical	achene			?			native	
233. <i>Cyperus niveus</i> var. <i>leucocephalus</i>	Afr.-Mad.	achene			+			native	
234. <i>Cyperus pumilus</i>	pantropical	achene			?			native	
235. <i>Fimbristylis cymosa</i>	pantropical	achene			?			native	
236. <i>Fimbristylis ferruginea</i>	pantropical	achene			?			native	
237. <i>Bambusa vulgaris</i>	pantropical	clone					+	introduced, cult.	
238. <i>Cenchrus echinatus</i>	pantropical	burr					?	+	introduced, weed
239. <i>Cymbopogon citratus</i>	pantropical	spikelet						+	introduced, cult.
240. <i>Dactyloctenium ctenoides</i>	W. Ind. Ocean	floret		?	?				native, strand
241. <i>Dactyloctenium pilosum</i>	W. Ind. Ocean	floret			?				native
242. <i>Daknopholis boivinii</i>	Afr.-Mad.	floret		?	?				native, strand
243. <i>Digitaria horizontalis</i>	pantropical	spikelet			+		+		introduced, weed
244. <i>Digitaria setigera</i>	palaeotropical	spikelet			+		+		introduced, weed
245. <i>Eleusine indica</i> subsp. <i>indica</i>	pantropical	floret						+	introduced, weed
246. <i>Enteropogon sechellensis</i>	Afr.-Mad.	spikelet		?	?				native, strand
247. <i>Eragrostis decumbens</i>	Ald., Ass., Cos., Ast.	Caryopsis			?				endemic

	distribution	propagule	dispersal					status
			wind	sea	birds		man	
					internal	external		
248.	<i>Eragrostis subaequiglumis</i>	Ald., Ass., Cos., Sey.			?			endemic
249.	<i>Eriochloa meyerana</i>	trop. Africa			?			native
250.	<i>Eriochloa subulifera</i>	Madagascar			?			native
251.	<i>Ischaemum rugosum</i>	pantropical			?			native
252.	<i>Lepturus repens</i>	Indo-Pacific		+	+			native, strand
253.	<i>Panicum aldabrense</i>	Aldabra			?			endemic
254.	<i>Panicum assumptionis</i>	Assumption			?			endemic
255.	<i>Panicum maximum</i>	pantropical					+	introduced, cult.
256.	<i>Panicum voeltzkowii</i>	Madagascar			?			native
257.	<i>Paspalum distichum</i>	pantropical		+		+		native, strand
258.	<i>Pennisetum polystachion</i>	pantropical					+	introduced, weed
259.	<i>Sclerodactylon macrostachyum</i>	Afr.-Mad.		+				native, strand
260.	<i>Sporobolus aldabrensis</i>	Aldabra					?	endemic
261.	<i>Sporobolus testudinum</i>	Aldabra					?	endemic
262.	<i>Sporobolus virginicus</i>	pantropical		+		+		native, strand
263.	<i>Stenotaphrum clavigerum</i>	Ald., Ass.		+				endemic
264.	<i>Stenotaphrum micranthum</i>	Indo-Pacific		+				native, strand
265.	<i>Zea mays</i>	pantropical					+	introduced, cult.

TABLE 2. ENDEMIC TAXA OF THE INDIAN OCEAN ISLANDS PRESENT IN THE ALDABRA ARCHIPELAGO AND THEIR AFFINITIES

endemic taxa	distribution						presumed affinity	reference	distribution					propagule	presumed dispersal				
	Aldabra	Assumption	Cosmoledo	Astove	E.Afr.Is.	Seychelles			Mascarenes	Africa	Madagascar	Masc.-Ceylon	Indo-Pacific		Pantrap.	air	sea	birds	
																internal	external		
10. <i>Flacourtia ramontchii</i> L'Hérit. var. <i>renvoizei</i> Fosberg	+						<i>F. ramontchii</i> L'Hérit. var. <i>ramontchii</i>	Fosberg 1974		+				berry			+		
12. <i>Portulaca mauritiensis</i> Poelln. var. <i>aldabrensis</i> Fosberg	+						<i>P. mauritiensis</i> Poelln. var. <i>mauritiensis</i>	Fosberg 1977b					+	seed		?	?		
13. <i>Portulaca mauritiensis</i> Poelln. var. <i>grubbii</i> Fosberg			+				<i>P. mauritiensis</i> Poelln. var. <i>mauritiensis</i>	Fosberg 1977b					+	seed			?		
15. <i>Portulaca oleracea</i> L. var. <i>delicatula</i> Fosberg	+						<i>P. oleracea</i> L. var. <i>oleracea</i>	Fosberg 1977b					+	seed		?	?		
17. <i>Calophyllum inophyllum</i> L. var. <i>takamaka</i> Fosberg	+	+			+		<i>C. inophyllum</i> L. var. <i>inophyllum</i>	Fosberg 1974				+		drupe		+	+		
30. <i>Grewia aldabrensis</i> Baker	+						<i>G. occidentalis</i> L.; <i>G. picta</i> Baill.	Baker 1894	+	+				drupe			?		
31. <i>Grewia salicifolia</i> Schinz	+		+	+			<i>G. glandulosa</i> Vahl; <i>G. saligna</i> Baill.	Schinz 1897		+				drupe			?		
33. <i>Erythroxylon acranthum</i> Hemsley	+	+	+				<i>E. platyclados</i> Boj.	Hemsley 1916		+				drupe			?		
39. <i>Malleastrum leroyi</i> Fosberg	+						<i>M. spp.</i> (Madagascar)	Fosberg 1974		+				drupe			?		
48. <i>Allophylus aldabricus</i> Radlk.	+	+	+	+			<i>A. bojeranus</i> (Camb.) Bl.	Leenhouts 1967				+		drupe			+		
54. <i>Cassia aldabrensis</i> Hemsley	+	+					<i>C. brevifolia</i> Lam.; <i>C. reducta</i> Brenan	Brenan 1976 personal com.				+		seed					
59. <i>Dichrostachys microcephala</i> Renv.	+	+	+				<i>D. commersonianus</i> (Baill.) Drake	Renvoize 1972				+		seed		?	?		
73. <i>Cassipourea thomassetii</i> (Hemsley) Alston	+						<i>C. spp.</i>	Alston 1925	+	+				seed			?		
79. <i>Eugenia elliptica</i> Lam. var. <i>levinervis</i> Fosberg	+						<i>E. elliptica</i> Lam. var. <i>elliptica</i>	Fosberg 1978a				+		berry		+	+		
91. <i>Peponium sublitorale</i> Jeffrey & Page	+						<i>P. cienkowskii</i> (Schweinf.) Engl.	Page & Jeffrey 1975	+					seed		?	?		
99. <i>Hedyotis corallicola</i> Fosberg				+	+		<i>Oldenlandia congesta</i> Balf.f.	Fosberg 1978a	+	+				seed			?		
101. <i>Hedyotis prolifera</i> Fosberg		+					uncertain	Fosberg 1978a	+	+				seed			?		
103. <i>Psychotria pervillei</i> Baker	+	+				+	<i>P. obtusifolia</i> Lam.	Baker 1877				+		drupe			?		

endemic taxa	distribution						presumed affinity	reference	distribution					propagule	presumed dispersal			
	Aldabra	Assumption	Cosmoledo	Astove	E.Afr.Is.	Seychelles			Mascarenes	Africa	Madagascar	Masc.-Ceylon	Indo-Pacific		Pantrop.	air	sea	birds
															internal	external		
104. <i>Tarennia supra-axillaris</i> (Hemsley) Bremek.	+						<i>T. nigrescens</i> Hiern	Hemsley 1916	+	+			drupe			?		
106. <i>Tarennia verdcourtiana</i> Fosberg	+	+						Fosberg in ed	+				drupe			?		
107. <i>Triainolepis fryeri</i> (Hemsley) Bremek.	+	+	+				<i>T. africana</i> Hook. f.	Verdcourt 1975	+	+			drupe			?		
119. <i>Sideroxylon inerme</i> L. subsp. <i>cryptophlebium</i> (Baker) J.H. Hemsley	+	+	+				<i>S. inerme</i> L. subsp. <i>inerme</i> & <i>diospyroides</i>	J.H. Hemsley 1966	+				berry			+		
129. <i>Secamone fryeri</i> Hemsley	+	+		+			<i>S. zambesiaca</i> Schlecht.	Hemsley 1916	+				seed		?			
142. <i>Solanum indicum</i> L. var. <i>aldabrense</i> (C.H. Wright) Fosberg	+		+	+			<i>S. indicum</i> L.	Fosberg 1978a	+	+	+		berry			+		
153. <i>Hypoestes aldabrensis</i> Baker	+	+	+	+			<i>H. adscendens</i> Nees	Baker 1994		+			seed			+		
157. <i>Clerodendrum glabrum</i> Baker var. <i>minutiflorum</i> (Baker) Fosberg	+	+	+	+			<i>C. glabrum</i> Baker	Fosberg 1978a	+				drupe			+		
163. <i>Nesogenes dupontii</i> Hemsley	+	+		+			<i>N. africanus</i> G. Taylor	Taylor 1930	+				drupe			+		
170. <i>Boerhavia crispifolia</i>	+							Fosberg 1978b					anthocarp			+		
171. <i>Boerhavia repens</i> L. var. <i>maris-indici</i> Fosberg	+		+	+			<i>B. repens</i> L. var. <i>repens</i>	Fosberg 1978b				+	anthocarp			+		
181. <i>Lagrezia oligomeroides</i> (C.H. Wright) Fosberg	+	+				+	<i>L. madagascariensis</i> (Poir.) Moq.	Fosberg 1974	+				utricle					
187. <i>Acalypha claoxyloides</i> Hutch.	+	+	+	+			<i>A. spp.</i> (in Africa)	Turrill et al. 1918	+				seed			?		
191. <i>Euphorbia mertonii</i> Fosberg	+						<i>E. sanguinea</i> Boiss.	Fosberg 1978a	+				seed					
193. <i>Euphorbia pyrifolia</i> Lam.	+	+	+			+	<i>E. spp.</i> (Madagascar)	Candolle 1862		+			seed			?		
194. <i>Euphorbia stoddartii</i> Fosberg	+	+	+	+			<i>E. prostrata</i> Ait.	Fosberg 1978a	+				seed			?		
195. <i>Margaritaria anomala</i> (Baill.) Fosberg var. <i>cheloniphorbe</i> (Hutch.) Fosberg	+		+	+			<i>Phyllanthus anomalus</i> Muell. Arg.	Turrill et al. (1918)	+	+			seed			+		
199. <i>Phyllanthus maderaspatensis</i> L. var. <i>frazieri</i> Fosberg	+		+				<i>P. maderaspatensis</i> L.	Fosberg 1978a	+	+	+	+	seed			?		

endemic taxa	distribution						presumed affinity	reference	distribution					propagule	presumed dispersal			
	Aldabra	Assumption	Cosmoledo	Astove	E. Afr. Is.	Seychelles			Mascarenes	Africa	Madagascar	Masc.-Ceylon	Indo-Pacific		Pantrop.	air	sea	birds
															internal	external		
200. <i>Phyllanthus mckenzei</i> Fosberg	+		+				<i>P. maderaspatensis</i> L.	Fosberg 1978a	+	+	+	+	seed			?		
203. <i>Obetia ficifolia</i> Gaud.	+					+	<i>O. morifolia</i> Baker	Baker 1883		+			achene			?		
204. <i>Ficus avi-avi</i> Bl.	+	+	+	+		+	<i>F. nitida</i> Roxb.	Baker 1877				+	fig		+			
205. <i>Ficus nautarum</i> Baker	+	+	+	+		+	<i>F. obtusifolia</i> Roxb.	Baker 1877				+	fig		+			
207. <i>Maillardia pendula</i> Fosberg	+						<i>M. spp.</i> (Madagascar)	Fosberg 1974		+			drupe			?		
211. <i>Hederorkis seychellensis</i> Bosser	+					+	<i>Polystachya spp.</i>	Bosser 1976	+	+			seed	+				
215. <i>Asparagus umbellulatus</i> Bresler	+	+	+			+	<i>A. spp.</i> (Africa)	Baker 1875	+				berry		+			
217. <i>Lomatophyllum aldabrense</i> Marais	+	+	+	+			<i>L. purpureum</i> Lam.	Marais 1974		+			berry		+			
222. <i>Pandanus aldabraensis</i> St. John	+						<i>P. pervilleanus</i> Kurz	St. John 1974		+			phalange		+			
225. <i>Bulbostylis basalis</i> Fosberg	+						relationship uncertain	Fosberg 1977a	+	+			achene		?	?		
228. <i>Cyperus bigibbosus</i> Fosberg	+						<i>C. cartilagineus</i> K. Schum.	Fosberg 1977a					achene		?	?		
247. <i>Eragrostis decumbens</i> Renv.	+						<i>E. ciliaris</i> (L.) R. Br.	Renvoize 1971b				+	caryopsis					
248. <i>Eragrostis subaequiglumis</i> Renv.	+	+	+	+		+	<i>E. tenella</i> (L.) Roem. & Schult.	Renvoize 1971b				+	caryopsis					
253. <i>Panicum aldabrense</i> Renv.	+						<i>P. assumptionis</i> Stapf	Renvoize 1971b	+				spikelet			?		
254. <i>Panicum assumptionis</i> Stapf		+					<i>P. pinifolium</i> Chiov.	Hemsley et al. 1919	+				spikelet			?		
260. <i>Sporobolus aldabrensis</i> Renv.	+						<i>S. piliferus</i> (Trin.) Kunth	Renvoize 1971b				+	seed					
261. <i>Sporobolus testudinum</i> Renv.	+						<i>S. piliferus</i> (Trin.) Kunth	Renvoize 1971b				+	seed					
263. <i>Stenotaphrum clavigerum</i> Stapf	+	+					<i>S. oostachya</i> Baker	Hemsley et al. 1919		+			spikelet		+			

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Appendix 1 and tables 1-8 of paper entitled

A twelve month study of insect abundance and composition
at various localities on Aldabra Atoll

BY DAWN W. FRITH

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APPENDIX 1. A LIST OF PLANT SPECIES (ARRANGED ALPHABETICALLY) SURROUNDING HEATH LIGHT TRAPS AT LOCALITIES ON ALDABRA ATOLL.

Trap 1. Research Station, West Island:

Tree and shrub species: Ipomoea macrantha

Pemphis acidula

Herb species: Achyranthes aspera

Portulaca oleracea

Trap 2. Research Station, West Island:

Tree and shrub species: Acalypha claoxyloides

Allophylus aldabricus

Azima tetraantha

Dichrostachys microcephala

Dracaena reflexa

Euphorbia pyriformis

Ipomoea macrantha

Maytenus senegalensis

Ochna ciliata

Pemphis acidula

Polysphaeria multiflora

Premna obtusifolia

Herb species: Achyranthes aspera

Cyperus obtusiflorus

Dactyloctenium pilosum

Euphorbia hirta

Lomatophyllum aldabrense

Passiflora suberosa

Anse Mais, South Island:

Tree and shrub species: Allophylus aldabricus

Acalypha claoxyloides

Azima tetraantha

Casuarina equisetifolia

Clerodendrum glabrum

Cocos nucifera

Colubrina asiatica

Euphorbia pyriformis

Ficus reflexa

Flacourtis ramontchii
Guettarda speciosa
Maytenus senegalensis
Mystroxydon aethiopicum
Pemphis acidula
Polysphaeria multiflora
Secamone fryeri
Sideroxydon inerme
Tournefortia argentea
Tricalysia sonderana
Vernonia grandis
Herb species: Cyperus ligularis
Jasminum elegans
Lomatophyllum aldabrense
Passiflora suberosa
Stachytarpheta jamaicensis

Gionnet, Middle Island :

Tree and shrub species:

Acalypha claoxyloides
Allophylus aldabricus
Asima tetraacantha
Casuarina equisetifolia
Colubrina asiatica
Dracaena reflexa
Erythroxylon acranthum
Euphorbia pyrifolia
Ficus nautarum
Maytenus senegalensis
Moringa oleifera
Mystroxydon aethiopicum
Pemphis acidula
Polysphaeria multiflora
Phyllanthus casticum
Scaevola taccada
Suriana maritima
Tamarindus indica
Herb species: Abrus precatorius
Abutilon angulatum
Cassia occidentalis

Ipomoea macrantha
I. pes-caprae
Paspalum vaginatum
Passiflora suberosa

Middle Camp, East Channel, Middle Island:

Tree and shrub species:

Acalypha claoxyloides
Bruguiera gymnorhiza
Canthium bibracteatum
Casuarina equisetifolia
Ceriops tagal
Euphorbia pyrifolia
Ficus reflexa
Pandanus tectorius
Pemphis acidula
Phyllanthus casticum
Polysphaeria multiflora
Rhizophora mucronata
Scaevola taccada
Sideroxydon inerme
Suriana maritima
Tarenna trichantha
Herb species: Capparis cartilaginea
Cleome strigosa
Ipomoea macrantha
Lepturus repens
Lomatophyllum aldabrense
Pleurostema cernuum
Sclerodactylon macrostachyum

Ile Michel:

Tree and shrub species:

Acalypha claoxyloides
Allophylus aldabricus
Casuarina equisetifolia
Cocos nucifera
Colubrina asiatica
Erythroxylon acranthum
Ficus nautarum
F. reflexa
Grewia aldabrensis
Mystroxydon aethiopicum
Ochna ciliata

Herb species: Phyllanthus casticum
Sideroxylon inerme
Terminalia boivinii
Daknopholis boivinii
Eragrostis subaequiglumis
Ipomoea macrantha
Plumbago aphylla

Takamaka (old camp), South Island:

Tree and shrub species:

Allophylus aldabricus
Apodytes dimidiata
Bakerella clavata
Calliandra alternans
Canthium bibracteatum
Dracaena reflexa
Eugenia cotinifolia
Euphorbia pyrifolia
Ficus avi-avi
F. nautarum
F. reflexa
Flacourtia ramontchii
Grewia aldabrensis
Guettarda speciosa
Ludia mauritania
Maytenus senegalensis
Ochna ciliata
Pandanus aldabrensis
P. tectorius
Margaritaria cheloniphorbe
Polysphaeria multiflora
Premna obtusifolia
Scaevola taccada
Secamone fryeri
Sideroxylon inerme
Tarenna trichantha
Terminalia boivinii
Triainolepis fryeri
Tricalysia sonderana
Herb species: Acrostichum aureum
Cyperus ligularia

C. obtusiflorus
Eragrostis subaequiglumis
Euphorbia prostrata
Evolvulus alsinoides
Fimbristylis ferruginea
F. obtusifolia
Jasminum elegans
Oldenlandia corymbosa
Phyllanthus maderaspatensis
Portulaca mauritiana
Sarcostemma viminalis
Sporobolus virginicus
Stenotaphrum clavigerum
Tephrosia pumila

Cinq Cases (lagoon side), South Island :

Tree and shrub species:

Avicennia marina
Rhizophora mucronata

TABLE 1. MEAN CATCH PER NIGHT OF PREDOMINANT INSECT TAXA CAUGHT IN A HEATH LIGHT TRAP (1) ON WEST ISLAND, ALDABRA ATOLL.

Insect taxa	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Total	Percentage of total catch
Lepidoptera	54.1	78.7	104.5	148.0	1637.3	464.5	1421.3	775.3	297.3	302.0	158.3	162.0	491.4	64.4
Pyralidae (18 species excluding Phycitinae)	1.4	3.1	4.0	7.5	133.7	35.7	116.3	35.0	8.9	15.7	7.0	5.7		
Geometridae (13 species)	0.7	1.6	14.5	5.0	33.0	35.3	10.0	13.0	3.5	7.0	9.0	9.3		
Arctiidae (6 species)	17.6	7.3	55.5	24.5	259.3	48.0	146.3	106.3	56.5	69.0	37.7	6.7		
<i>Eilema aldabrensis</i>	13.9	2.3	18.0	33.0	103.0	7.8	9.3	6.0	2.8	4.7	3.3	14.0		
<i>Rhodogastris aldabrensis</i>	1.3	0.7	2.5	8.5	42.7	34.5	130.7	50.7	25.6	30.3	31.7	23.7		
Noctuidae (31 species)	7.3	7.4	49.5	96.5	212.7	107.3	114.0	73.7	56.1	28.0	24.0	17.3		
<i>Amyna octo</i>	1.3	0.6	4.5	2.5	3.0	1.3	8.3	1.3	0.6	0.3	3.0	1.0		
<i>Achaea violaceofascia</i>	-	0.4	2.0	10.5	23.7	12.8	2.0	0.3	12.0	1.3	0.8	1.0		
<i>Ericcia inangulata</i>	0.7	1.4	9.0	15.0	39.3	12.0	2.3	15.7	22.0	1.0	-	1.0		
Tortricidae (at least 10 species)														
Tineidae (at least 2 species)	27.1	59.2	869.5	1055.0	996.9	237.2	1022.4	546.3	171.5	182.0	80.6	63.0		
Pyralidae-Phycitinae (at least 10 species)														
Others (7 species)	-	0.1	4.5	5.0	1.7	1.0	12.3	1.0	0.8	0.3	-	-		
Hemiptera	2.1	0.5	132.5	656.0	304.0	116.0	76.7	111.3	23.5	54.0	18.0	19.0	83.3	10.9
Cixiidae (2 species)	-	0.1	-	-	-	3.5	8.3	3.7	1.3	24.0	1.0	4.3		
Ricanidae (4 species)	-	0.1	-	-	-	1.4	0.8	1.3	0.1	2.0	0.3	1.0		
Flatidae : <i>Chaetormanis madagascariensis</i>	-	0.1	0.5	1.0	0.7	3.5	2.7	2.3	0.6	4.0	-	0.3		
Cicadellidae (4 species)	0.6	0.1	-	-	2.7	1.0	9.3	32.3	3.5	11.3	4.7	8.4		
Miridae	-	-	-	-	-	-	2.0	24.3	7.5	4.7	0.3	1.7		
Lygaeidae (5 species)	0.6	-	120.5	624.5	253.3	105.0	52.6	38.7	9.3	3.7	10.0	1.3		
<i>Lethaeus stellatus</i>	0.6	-	94.0	254.0	214.0	9.5	70.3	33.0	4.3	3.7	6.7	1.3		
<i>Dieuches</i> sp.	-	-	26.5	370.5	37.3	70.3	11.7	5.3	5.0	-	3.3	-		
Fentatomidae (3 species)	0.1	0.1	4.5	17.5	136.0	0.8	1.0	2.0	1.1	4.3	1.0	0.7		
<i>Acrosternum</i> nr. <i>heegeri</i>	0.1	0.1	4.0	17.5	36.0	0.8	1.0	2.0	1.0	4.0	1.0	0.7		
Others (6 species)	0.8	-	10.0	13.0	11.3	0.8	-	6.7	0.1	-	0.7	1.3		
Coleoptera	0.3	0.4	281.0	150.5	337.3	54.8	20.7	51.0	5.5	2.0	3.3	2.7		
Carabidae (7 species)	-	-	109.5	37.0	18.7	23.0	5.7	10.3	2.0	0.3	-	-	49.6	6.5
<i>Myriochile melancholica perplexa</i>	-	-	25.5	27.5	15.7	23.0	4.3	4.7	2.0	0.3	-	-		
<i>Aulocoryssus aciculatus pavoninus</i>	-	-	82.5	5.0	1.0	-	1.3	4.0	-	-	-	-		
Dytiscidae (1 species)	-	-	-	0.5	-	-	-	-	-	-	-	-		
Hydrophilidae (3 species)	-	-	-	4.0	36.0	14.0	0.3	6.3	0.3	-	-	-		
<i>Berosus</i> sp.	-	-	-	4.0	36.0	12.5	0.3	6.3	-	-	-	-		
Staphylinidae (2 species)	-	-	-	3.0	260.7	-	-	9.0	1.5	-	-	0.3		
<i>Carpelimus</i> sp.	-	-	-	-	255.7	-	-	-	-	-	-	-		
Scarabaeidae : <i>Phaeocrous insularis</i>	-	-	64.5	16.0	-	-	-	-	-	-	-	-		
Elateridae (5 species)	0.2	0.2	2.5	7.0	5.0	1.0	1.6	5.7	1.0	0.7	1.3	0.8		
Oedemeridae (3 species)	-	0.1	102.0	81.0	13.3	13.7	5.8	6.3	0.3	-	-	1.0		
<i>Ananca aldabrana</i>	-	0.1	102.0	81.0	11.0	13.5	5.7	6.3	0.3	-	-	-		
Cerambycidae (2 species)	0.1	-	1.0	0.5	-	-	0.3	-	-	-	-	-		
Chrysomelidae (4 species)	-	-	-	-	2.3	2.0	7.0	13.0	0.3	-	1.0	-		
Curculionidae (2 species)	-	-	-	0.5	0.3	0.3	-	-	0.3	-	-	-		
Others (6 species)	-	-	1.5	0.5	0.7	0.8	-	0.4	-	1.0	1.0	0.6		
Diptera	2.7	14.6	1.0	0.5	273.7	24.3	70.7	157.7	92.4	26.3	172.3	73.7	68.4	8.9
Tipulidae (4 species)	-	0.3	-	-	-	0.8	5.3	-	0.1	1.3	1.0	-		
Culicidae (unsorted)	0.7	0.6	-	-	48.7	6.3	7.3	2.0	2.1	3.3	2.0	1.0		
Chironomidae (unsorted)	-	-	-	-	158.3	3.0	13.3	140.0	3.1	1.6	-	-		
Tethinidae (at least 3 species)	0.1	7.7	-	-	58.7	10.4	399.1	2.0	63.3	10.0	146.7	64.4		
Ceratomyzidae (2 species)	-	0.1	-	-	-	0.3	-	-	0.4	1.3	3.3	-		
Others (31 species)	1.9	4.9	1.0	0.5	8.0	4.5	5.7	13.7	23.3	8.8	19.3	8.4		
Hymenoptera	0.4	1.3	62.0	1012.5	186.3	8.3	98.0	65.7	3.6	6.3	2.7	5.0	69.1	9.1
Formicidae (9 species)	0.1	1.2	61.5	1010.0	180.0	5.3	92.0	56.7	1.3	2.7	1.7	3.7		
Ichneumonidae (4 species)	0.3	-	0.7	2.5	2.7	3.0	5.0	2.0	1.3	2.0	1.0	0.3		
Others (4 species)	-	0.1	-	-	3.6	-	1.0	7.0	1.0	1.6	-	1.3		
Other orders : Odonata, Dictyoptera, Embioptera, Orthoptera, Neuroptera	0.7	-	0.5	0.5	0.7	2.0	3.0	2.0	0.8	1.0	1.0	2.7		
Mean catch per night of insects	60.7	95.7	1518.5	3304.0	2739.0	1689.8	1688.0	1163.0	423.0	391.7	355.7	265.0	762.7	-
Number of trapping nights	7	7	2	2	3	4	3	3	8	3	3	3	48	
Monthly rainfall in millimetres	8	6	91	200	224	12	112	165	129	100	152	76		

TABLE 2. MEAN CATCH PER NIGHT OF PREDOMINANT INSECT TAXA CAUGHT IN A HEATH LIGHT TRAP (2) ON WEST ISLAND, ALDABRA ATOLL.

Insect taxa	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Total	Percentage of total catch
Lepidoptera	302.6	269.9	2481.5	4535.0	1014.2	1415.3	2901.6	1886.0	1089.0	358.0	289.7	220.1	974.6	65.0
Pyralidae (30 species excluding Phycitinae)	16.7	12.3	203.0	456.5	109.2	299.0	266.0	115.3	48.1	7.3	18.7	15.4		
Geometridae (18 species)	8.3	8.3	29.5	25.0	52.2	74.3	37.0	120.3	30.3	25.3	26.7	20.9		
Arctiidae (6 species)	48.7	16.7	50.0	103.5	233.6	123.0	161.3	112.3	118.2	45.7	47.7	41.2		
<u>Eilema aldobrensis</u>	28.9	3.9	30.0	51.0	105.6	18.3	52.3	51.7	32.5	55.3	11.0	19.8		
<u>Rhodogastria aldobrensis</u>	4.3	6.3	4.5	32.0	22.4	96.3	101.3	29.0	67.4	26.3	31.0	15.8		
Noctuidae (46 species)	14.9	17.4	141.0	485.0	102.0	194.3	134.7	104.7	69.0	33.0	33.3	17.5		
<u>Amyna octo</u>	1.0	1.4	10.5	0.5	1.4	-	3.3	0.8	0.5	0.7	2.8	-		
<u>Achaea violaceofascia</u>	0.4	0.6	1.5	21.5	9.2	40.3	5.0	2.3	21.0	0.7	1.8	0.4		
<u>Ericia inangulata</u>	1.1	1.9	10.5	32.5	9.6	11.3	2.3	12.7	11.5	0.7	0.3	0.8		
Tortricidae (at least 10 species)														
Tineidae (at least 2 species)														
Pyralidae-Phycitinae (at least 10 species)	213.9	214.9	2024.5	3448.0	509.4	711.7	2292.0	1431.7	821.0	246.7	162.7	125.0		
Others (6 species)	0.1	0.3	33.5	17.0	7.8	13.0	11.3	1.7	2.4	-	0.6	0.1		
Hemiptera	10.7	10.3	53.0	2623.5	824.8	524.3	532.3	1120.7	375.1	70.7	63.3	33.0	355.2	23.7
Cixiidae (2 species)	0.1	1.0	0.5	-	0.2	18.6	107.0	15.7	13.9	6.0	14.7	4.1		
Ricanidae (4 species)	-	-	0.5	-	1.0	0.7	5.7	5.7	2.0	0.3	1.7	0.4		
Flatidae : <u>Chaetormanis madagascariensis</u>	0.4	3.4	0.5	1.0	1.0	18.6	49.7	22.6	34.6	17.3	7.0	6.0		
Cicadellidae (7 species)	-	0.6	-	-	1.0	250.7	44.3	968.0	281.1	33.8	28.5	12.8		
Miridae (2 species)	-	0.3	-	-	-	-	1.0	48.4	17.6	2.3	1.7	6.1		
Lygaeidae (3 species)	3.3	4.6	49.5	2554.0	793.0	231.7	321.3	56.0	21.0	9.7	9.7	2.0		
<u>Lethaeus stellatus</u>	2.6	1.3	26.5	303.0	342.0	35.0	156.3	42.0	12.3	7.0	4.7	1.4		
<u>Dieuches</u> sp.	7	3.1	21.0	2251.0	550.8	196.7	165.0	14.0	8.8	2.7	5.0	0.6		
Pentatomidae (2 species)	0.1	0.1	11.5	35.5	24.4	4.0	2.0	2.0	1.8	1.3	-	0.9		
<u>Acrosternum</u> nr. <u>heegeri</u>	0.1	0.1	1.5	35.0	24.4	4.0	2.0	2.0	1.8	1.3	-	-		
Others (6 species)	6.8	0.3	0.5	33.0	4.2	-	1.3	2.3	3.1	0.3	-	0.7		
Coleoptera	2.0	1.4	177.5	456.0	117.2	145.7	122.3	81.3	44.4	11.0	11.3	7.7	61.2	4.1
Carabidae (10 species)	-	-	58.5	28.0	13.0	9.0	4.0	10.3	3.4	1.0	-	0.7		
<u>Myriochile melancholica perplexa</u>	-	-	3.0	15.5	4.2	3.3	4.0	8.0	2.6	0.3	-	0.2		
<u>Aulocoryssus aciculatus pavoninus</u>	-	-	54.5	12.5	4.4	0.3	-	1.3	-	-	-	-		
Dytiscidae (2 species)	-	-	-	-	0.4	-	-	-	-	-	-	-		
Hydrophilidae (4 species)	-	-	-	21.5	57.0	50.0	0.3	9.1	6.3	1.3	-	3.0		
<u>Berosus</u> sp.	-	-	-	21.5	57.0	42.0	-	4.3	6.0	1.0	-	1.0		
Staphylinidae (2 species)	-	-	-	-	0.2	-	-	7.7	-	-	-	-		
Scarabaeidae (2 species)	-	-	70.0	18.0	1.6	-	-	-	-	-	-	-		
<u>Phaeocrous insularis</u>	-	-	68.0	16.5	1.6	-	-	-	-	-	-	-		
Elateridae (5 species)	1.2	0.1	1.0	14.5	5.2	4.3	10.0	10.3	6.4	2.7	2.7	0.5		
Oedemeridae (3 species)	0.1	0.1	43.0	335.0	31.8	20.3	16.7	6.3	2.3	4.0	3.3	3.0		
<u>Ananca aldobrana</u>	0.1	-	42.5	335.0	31.8	19.7	16.3	6.3	2.3	4.0	3.3	3.0		
Cerambycidae (3 species)	0.4	0.7	0.5	1.0	-	0.3	2.0	3.3	1.0	0.7	1.0	0.1		
Chrysomelidae (3 species)	-	-	3.0	27.5	7.2	61.8	87.0	29.4	23.6	-	-	-		
Curculionidae (: <u>Cratopus viridisparus</u>)	0.1	0.2	0.5	-	0.2	-	3.0	3.3	0.8	0.3	0.3	0.4		
Others (7 species)	0.1	0.1	1.0	10.5	0.6	-	0.3	2.3	0.4	1.0	4.0	-		
Diptera	4.4	5.1	-	3.5	1.4	3.7	45.7	59.7	148.0	18.7	45.7	20.3	35.5	2.4
Tipulidae (5 species)	0.1	-	-	-	-	-	0.3	-	0.1	1.7	2.0	1.2		
Culicidae (unsorted)	-	-	-	-	-	-	2.3	5.3	1.8	-	2.0	-		
Chironomidae (unsorted)	-	-	-	-	-	-	-	26.7	-	1.0	3.3	0.9		
Tethinidae (at least 3 species)	-	-	-	-	-	-	14.8	4.0	55.8	1.3	8.3	5.7		
Ceratopogonidae (1 species)	-	-	-	-	-	-	-	4.0	12.0	-	0.7	2.0		
Others (41 species)	4.8	7.1	-	3.5	1.4	3.7	2.4	19.7	77.7	14.7	28.8	9.5		
Hymenoptera	9.6	5.1	862.5	370.5	112.0	14.7	23.3	97.3	12.3	7.0	4.7	7.6	66.8	4.5
Formicidae (10 species)	9.6	4.7	862.0	367.5	110.0	12.7	14.0	44.7	3.9	5.7	1.0	6.4		
Ichneumonidae (3 species)	-	0.1	0.5	3.0	1.0	0.7	5.3	1.3	1.6	-	0.7	0.1		
Others (3 species)	0.3	0.3	-	-	1.0	1.3	4.0	51.3	6.8	1.3	3.0	1.2		
Other orders: Odonata, Dictyoptera, Orthoptera, Neuroptera	2.9	1.3	2.0	5.0	1.6	5.7	10.0	16.7	4.4	4.3	2.7	1.6	3.9	0.3
Mean catch per night of insects	331.7	293.3	3576.5	7993.5	2071.2	2109.3	3635.3	3261.7	1673.1	469.7	417.7	290.3	1497.1	
Number of trapping nights	7	7	2	2	5	3	3	3	8	3	3	10	56	

TABLE 3. MEAN CATCH PER NIGHT OF PREDOMINANT INSECT TAXA CAUGHT IN A HEATH TRAP AT ANSE MAIS, SOUTH ISLAND, ALDABRA ATOLL.

Insect taxa	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Total	Percentage of total catch
Lepidoptera	472.0	927.5	5275.0	3261.5	1438.8	1530.5	2466.3	540.3	478.3	2244.5	178.0	741.9	1547.4	79.2
Pyralidae (excluding Phycitinae)	-	1.5	-	20.0	52.5	213.5	128.5	31.8	22.3	73.5	6.3	58.8	-	-
Arctiidae	45.0	12.0	37.5	83.0	178.0	84.5	63.3	23.0	32.3	71.0	3.7	36.3	-	-
<i>Eilema aldabrensis</i>	19.0	1.5	5.0	31.5	37.0	13.5	21.3	7.8	0.3	19.7	-	13.8	-	-
<i>Rhodogastria aldabrensis</i>	4.0	2.5	1.5	5.5	5.3	10.5	8.8	4.8	4.7	18.3	3.7	7.3	-	-
Noctuidae : <i>Amyna octo</i>	-	-	-	-	-	-	4.3	-	-	0.6	-	-	-	-
: <i>Achaea violaceofascia</i>	1.0	1.0	-	-	3.5	69.5	1.5	0.5	9.3	9.0	1.3	0.5	-	-
: <i>Ericeia inangulata</i>	5.0	4.5	21.0	43.5	113.3	40.0	4.8	7.0	22.7	18.3	-	9.8	-	-
Tortricidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tineidae	400.0	875.5	5019.5	3000.0	945.5	595.0	2150.0	443.7	387.7	2011.3	158.3	602.8	-	-
Pyralidae-Phycitinae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geometridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Noctuidae	25.0	38.5	218.0	158.5	262.7	237.5	124.5	41.8	36.0	88.7	9.7	44.0	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemiptera	-	11.0	96.0	123.5	93.0	334.0	232.5	98.5	106.3	252.0	18.3	63.0	127.5	6.5
Ricanidae	-	-	-	1.0	-	0.5	2.5	3.0	2.3	0.8	-	-	-	-
Flatidae : <i>Chaetormenis madagascariensis</i>	-	0.5	6.0	30.0	16.0	279.5	94.8	57.8	74.3	94.3	7.0	4.5	-	-
Lygaeidae (mostly <i>Lethaeus stellatus</i> and <i>Diuchus</i> sp.)	-	10.0	80.5	91.5	68.5	49.5	124.0	21.0	9.7	125.5	3.3	17.5	-	-
Pentatomidae (mostly <i>Acrosternum</i> nr. <i>heegeri</i>)	-	0.5	7.0	0.5	8.5	3.5	3.3	4.0	9.3	13.5	3.3	3.0	-	-
Cixiidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cicadellidae	-	-	2.5	0.5	-	1.0	7.9	12.7	10.7	17.9	4.7	38.0	-	-
Miridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	5.0	651.5	734.5	472.0	506.5	132.8	38.2	28.3	50.3	9.3	21.5	193.3	9.9
Carabidae : <i>Myriocheile melancholica perplexa</i>	-	-	1.0	10.5	14.8	5.0	16.3	27.8	20.7	15.3	-	2.5	-	-
: <i>Aulocoryssus aciculatus pavoninus</i>	-	-	53.0	26.0	9.0	-	-	0.3	-	-	-	-	-	-
Scarabaeidae : <i>Phaeocrous insularis</i>	-	-	-	-	5.5	-	3.5	2.0	-	-	-	-	-	-
Eleteridae	-	2.5	3.0	6.5	5.3	3.0	4.8	3.0	2.7	3.0	-	0.3	-	-
Oedemeridae : <i>Ananca aldabrana</i>	-	1.5	593.0	691.0	425.8	496.5	94.8	1.3	-	1.0	-	0.8	-	-
Cerambycidae	-	-	-	-	0.3	0.5	2.3	-	0.7	-	0.3	0.8	-	-
Curculionidae : <i>Cratopus viridisparus</i>	-	-	-	0.5	0.3	1.5	0.3	-	2.0	0.5	-	-	-	-
Hydrophilidae (mostly <i>Berosus</i> sp.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chyr_somelidae	-	1.0	1.5	-	11.0	-	10.8	3.8	2.2	3.3	9.0	17.1	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diptera	39.0	25.0	1.5	-	2.3	21.0	138.3	39.8	86.7	48.8	21.3	69.4	47.2	2.4
Culcidae	39.0	23.5	-	-	-	-	89.5	26.5	21.3	26.8	10.3	8.3	-	-
Tipulidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chironomidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tethinidae	-	1.5	1.5	-	2.3	21.0	48.8	13.3	65.4	22.0	11.0	61.1	-	-
Ceratopogonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hymenoptera	1.0	38.5	17.0	14.0	148.8	17.0	39.3	13.0	0.3	3.8	0.7	0.8	29.1	1.5
Formicidae	-	38.0	17.0	14.0	148.0	13.0	38.8	13.0	-	7.5	-	0.3	-	-
Ichneumonidae	-	-	-	-	0.5	0.5	1.0	-	0.3	0.3	-	0.5	-	-
Others	1.0	0.5	-	-	0.3	3.5	-	-	-	1.0	0.7	-	-	-
Other orders : Odonata, Dictyoptera, Orthoptera, Neuroptera	-	2.0	8.0	11.0	10.3	56.5	21.1	5.0	8.7	6.3	0.3	3.0	10.4	0.5
Mean catch per night of insects	512.0	1009.0	6049.0	4144.5	2165.2	2465.5	3030.8	734.8	708.6	2610.5	227.9	899.6	1955.0	-
Number of trapping nights	1	2	2	2	4	2	4	4	3	4	3	4	35	-

TABLE 4. MEAN CATCH PER NIGHT OF PREDOMINANT INSECT TAXA CAUGHT IN A HEATH LIGHT TRAP AT GIONNET, MIDDLE ISLAND, ALDABRA ATOLL

Insect taxa	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Total	Percentage of total catch
Lepidoptera	583.0	854.0	14.0	1965.0	2871.5	366.0	206.5	2450.5	1094.0	153.0	9.0	97.5	968.0	80.6
Pyralidae (excluding Phycitinae)	1.0	-	3.0	68.0	47.0	16.0	11.5	31.0	10.0	4.0	-	-	-	-
Arctiidae	20.0	16.0	1.0	303.0	182.5	18.0	7.0	65.5	36.5	6.5	1.0	7.5	-	-
<i>Eilema aldabrensis</i>	3.0	4.5	1.0	14.0	108.0	6.0	1.0	51.5	28.5	3.5	-	3.0	-	-
<i>Rhodogastria aldabrensis</i>	17.0	4.5	-	4.5	12.0	7.0	4.5	6.5	5.0	2.0	1.0	1.5	-	-
Noctuidae : <i>Amyva octo</i>	-	-	-	-	-	-	2.0	-	2.0	1.0	-	1.0	-	-
: <i>Achaea violaceofascia</i>	-	2.5	-	4.0	5.5	219.0	3.5	1.5	2.0	-	1.0	-	-	-
: <i>Ericcia inangulata</i>	-	6.0	-	280.0	62.5	5.0	1.0	7.0	2.5	1.0	-	2.5	-	-
Tortricidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tineidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyralidae-Phycitinae	513.0	802.5	4.0	1250.0	2241.0	50.0	154.0	2087.0	960.0	120.5	6.0	57.0	-	-
Geometridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Noctuidae	49.0	35.5	6.0	327.0	401.0	282.0	34.0	267.0	87.5	22.0	2.0	33.0	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemiptera	1.0	6.0	6.0	47.0	478.5	17.0	31.0	62.0	39.5	17.0	5.0	13.0	72.1	6.0
Ricanidae	-	0.5	-	-	0.5	-	1.0	4.0	3.5	1.0	5	2.0	-	-
Flatidae : <i>Chaetormenis madagascariensis</i>	-	-	-	11.0	-	3.0	3.5	1.5	2.0	4.5	1.0	1.5	-	-
Lygaeidae (mostly <i>Lethaeus stellatus</i> and <i>Dieuches</i> sp.)	1.0	4.5	4.0	33.0	426.0	13.0	22.0	54.5	33.5	9.5	2.0	8.5	-	-
Pentatomidae (mostly <i>Acrosternum</i> nr. <i>heegeri</i>)	-	1.0	2.0	2.0	51.5	-	1.0	-	-	0.5	-	-	-	-
Cixiidae	-	-	-	1.0	0.5	1.0	3.5	2.0	0.5	1.5	2.0	1.0	-	-
Cicadellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	1.0	3.5	42.0	169.0	393.5	7.0	17.0	29.0	16.5	5.5	2.0	22.0	62.9	5.2
Carabidae : <i>Myriochile melancholica perplexa</i>	-	-	2.0	8.0	2.5	-	2.0	2.5	5.5	-	-	-	-	-
: <i>Aulocorrysus aciculatus pavoninus</i>	-	-	1.0	-	-	-	-	-	-	3.0	-	0.5	-	-
Staphylinidae (mostly <i>Carpehimus</i> sp.)	-	-	-	-	303.0	-	1.0	-	-	-	-	-	-	-
Scarabaeidae : <i>Phaeocrous insularis</i>	-	-	22.0	-	-	-	-	-	-	-	-	-	-	-
Elateridae	-	1.0	5.0	6.0	0.5	-	1.0	6.0	3.0	0.5	-	1.5	-	-
Oedemeridae : <i>Ananca aldabrana</i>	-	1.5	-	150.0	83.5	7.0	1.0	11.5	0.5	0.5	-	6.5	-	-
Cerambycidae	-	-	-	2.0	1.0	-	0.5	1.0	2.0	-	-	1.0	-	-
Curculionidae : <i>Cratopus viridisparvus</i>	-	-	-	2.0	-	-	3.0	1.0	-	-	-	2.5	-	-
Hydrophilidae (mostly <i>Berosus</i> sp.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysomelidae	1.0	1.0	12.0	1.0	3.0	-	8.5	7.0	5.5	1.5	-	10.0	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diptera	17.0	2.0	1.0	4.0	2.0	9.0	22.5	4.0	2.5	1.0	4.0	1.0	5.5	0.5
Culcidae	12.0	1.5	-	-	-	-	1.0	-	-	-	-	-	-	-
Tipulidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chironomidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tethinidae	5.0	0.5	1.0	4.0	2.0	9.0	21.5	4.0	2.5	1.0	4.0	1.0	-	-
Ceratopogonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hymenoptera	6.0	5.0	1500.0	36.0	1.5	130.0	5.5	10.5	6.5	-	1.0	0.5	91.2	7.6
Formicidae	6.0	-	1500.0	34.0	-	130.0	5.5	9.0	6.0	-	1.0	0.5	-	-
Ichneumonidae	-	1.0	-	2.0	1.5	-	-	1.0	0.5	-	-	-	-	-
Others	-	4.0	-	-	-	-	-	0.5	-	-	-	-	-	-
Other orders : Odonata, Dictyoptera, Orthoptera, Neuroptera	1.0	0.5	-	-	1.5	2.0	2.0	2.5	3.0	-	-	1.5	1.3	0.1
Mean catch per night of insects	609.0	871.0	1563.0	2221.0	3748.0	531.0	284.5	2558.5	1162.0	176.5	21.0	135.5	1201.0	-
Number of trapping nights	1	2	1	1	2	1	2	2	2	2	1	2	19	-

TABLE 5. MEAN CATCH PER NIGHT OF PREDOMINANT INSECT TAXA CAUGHT IN A HEATH LIGHT TRAP AT MIDDLE CAMP, MIDDLE ISLAND, ALDABRA ATOLL.

Insect taxa	Nov.	Jan.	Mar.	Apr.	June	Aug.	Tctal	Percentage of total catch
Lepidoptera	839.0	3018.0	3613.0	1533.0	1826.3	332.5	1925.7	92.7
Pyralidae (excluding Phycitinae)	9.0	126.3	99.0	42.0	22.3	1.5		
Arctiidae	12.0	145.3	29.0	75.0	40.7	20.5		
<u>Eilema aldabrensis</u>	6.0	15.0	-	11.0	22.3	1.5		
<u>Rhodogastris aldabrensis</u>	-	22.0	9.0	11.0	5.7	4.5		
Octuidae : <u>Amyna octo</u>	-	-	-	-	4.3	-		
: <u>Achaea violacefascia</u>	-	134.0	4.3	3.0	37.7	3.0		
: <u>Ericcia inangulata</u>	6.0	11.3	20.0	53.0	7.7	14.5		
Tortricidae								
Tineidae								
Pyralidae-Phycitinae	770.0	2520.4	3311.0	1302.0	1565.8	293.0		
Geometridae								
Noctuidae	48.0	226.0	174.0	114.0	197.7	17.0		
Others								
Hemiptera	8.0	94.0	36.0	24.0	26.6	5.0	40.2	2.0
Ricanidae	-	1.0	1.0	2.0	2.7	-		
Flatidae : <u>Chaetormenis madagascariensis</u>	-	0.3	2.0	6.0	1.3	1.0		
Lygaeidae (mostly <u>Lethaeus stellatus</u> and <u>Dieuches</u> sp.)	6.0	87.0	25.0	13.0	11.0	1.5		
Pentatomidae (mostly <u>Acrosternum nr. heegeri</u>)	2.0	6.3	4.0	3.0	3.3	1.0		
Cixiidae								
Cicadellidae	-	-	4.0	-	8.3	1.5		
Miridae								
Others								
Coleoptera	12.0	48.7	128.0	24.0	18.3	2.0	31.0	1.5
Carabidae : <u>Myriochile melancholica perplexa</u>	-	3.3	10.0	6.0	3.3	-		
Staphylinidae	-	-	1.0	-	-	-		
Scarabaeidae : <u>Phaeocrous insularis</u>	6.0	-	-	-	-	-		
Elateridae	-	-	5.0	-	1.3	-		
Oedemeridae : <u>Ananca aldabrana</u>	6.0	44.7	96.0	13.0	1.7	0.3		
Cerambycidae	-	-	-	1.0	-	-		
Curculionidae : <u>Cratopus viridisparus</u>	-	0.7	2.0	4.0	3.0	1.7		
Hydrophilidae (mostly <u>Berosus</u> sp.)								
Chrysomelidae	-	-	4.0	-	-	-		
Others								
Diptera	2.0	3.3	14.0	13.0	220.6	50.0	72.8	3.5
Culcidae	-	-	-	5.0	1.0	1.5		
Tipulidae								
Chironomidae	2.0	3.3	14.0	8.0	219.6	48.5		
Tethinidae								
Ceratopogonidae								
Others								
Hymenoptera	-	2.3	3.0	6.0	4.7	0.5	2.9	0.2
Formicidae	-	-	-	3.0	0.7	-		
Ichneumonidae	-	2.3	3.0	3.0	4.0	0.5		
Other orders : Odonata, Orthoptera, Neuroptera	1.0	2.7	1.0	-	0.7	0.5	1.1	0.1
Mean catch of insects per night	862.0	3169.6	3785.0	1600.0	2091.2	390.5	2073.7	-
Number of trapping nights	1	3	1	1	3	2	11	

TABLE 8. MEAN CATCH PER NIGHT OF PREDOMINANT INSECT TAXA CAUGHT IN A HEATH LIGHT TRAP AT CJNQ CASES, SOUTH ISLAND, ALDABRA ATOLL

Insect taxa	Dec.	Jan.	Mar.	Apr.	June	Aug.	Total	Percentage of total catch
Lepidoptera	1946.0	1062.0 ⁺	1134.0	511.0	1315.0	261.0	1038.0 ⁺	18.7
Pyralidae (excluding Phycitinae)	47.0	210.0	77.0	7.0	47.0	-		
Arctiidae	4.0	210.0	-	8.0	10.0	8.0		
<i>Eilema aldabrensis</i>	-	21.0	-	-	1.0	2.0		
<i>Rhodogastria aldabrensis</i>	3.0	9.0	-	3.0	6.0	6.0		
Noctuidae : <i>Amyna octo</i>	-	-	148.0	177.0	327.0	49.0		
: <i>Achaea violaceofascia</i>	-	7.0	-	5.0	3.0	-		
: <i>Ericcia inangulata</i>	1.0	180.0	-	5.0	3.0	-		
Tortricidae								
Tineidae								
Pyralidae-Phycitinae	1846.0	700.0	884.0	309.0	900.0	195.0		
Geometridae								
Noctuidae	49.0	106.0	173.0	187.0	358.0	58.0		
Others								
Hemiptera	305.0	73.0 ⁺	43.0	39.0	17.0	3.0	80.0 ⁺	1.4
Ricanidae	3.0	2.0	4.0	1.0	2.0	2.0		
Flatidae : <i>Chaetormensis madagascariensis</i>	27.0	26.0	30.0	17.0	6.0	1.0		
Lygaeidae (mostly <i>Lethaeus stellatus</i> and <i>Dieuches</i> sp.)	204.0	43.0	1.0	20.0	4.0	-		
Pentatomidae (mostly <i>Acrosternum</i> nr. <i>heegeri</i>)	71.0	2.0	-	-	-	-		
Cixiidae								
Cicadellidae	-	+	8.0	1.0	5.0	-		
Miridae								
Others								
Coleoptera	10832.0	2706.0 ⁺	1104.0	68.0	80.0	5.0	2465.8 ⁺	44.5
Carabidae : <i>Myriochile melancholica perplexa</i>	15.0	1015.0	13.0	50.0	3.0	-		
: <i>Aulocoryssus aciculatus pavoninus</i>	15.0	-	-	-	-	-		
Dytiscidae	-	6.0	-	-	-	-		
Staphylinidae (mostly <i>Carpelimus</i> sp.)	3046.0	+	38.0	15.0	20.0	-		
Scarabaeidae : <i>Phaecrous insularis</i>	64.0	-	-	-	-	-		
Elateridae	5.0	2.0	1.0	-	1.0	-		
Oedemeridae : <i>Ananca aldabrensis</i>	44.0	24.0	4.0	1.0	-	-		
Hydrophilidae (mostly <i>Bersowus</i> sp.)								
Chrysomelidae	7643.0	1659.0	1048.0	2.0	56.0	5.0		
Others								
Diptera (mostly Tipulidae, Culcidae, Tethinidae, and Ceratopogonidae)	6626.0	50.0 ⁺	289.0	2779.0	1227.0	747.0	1953.0 ⁺	35.2
Hymenoptera	-	+	26.0	-	14.0	-	6.7 ⁺	0.1
Formicidae	-	+	26.0	-	-	-		
Ichneumonidae	-	-	-	-	14.0	-		
Other orders : Odonata, Dictyoptera, Neuroptera	-	1.0	1.0	1.0	-	-	0.5	0.1
Mean catch per night of insects	19709.0	3892.0 ⁺	2597.0	3398.0	2653.0	1016.0	5544.2	-
Number of trapping nights	1	1	1	1	1	1	6	

Note: those figures followed by + are minimal in that only the larger insects in the sample were counted. The remainder consisted of 10,000+ insects.

Tables 2-5 of paper entitled

Numbers of plant species on the islands of Aldabra Atoll

BY SARAH H. HNATIUK

in Phil. Trans. R. Soc. Lond. Lond. B, vol. 286

Table 2. Mean number and range of plant species per island on islands of different sizes

type of plant	log area (m ²)					
	0-2.0	2.1-2.5 [#]	2.6-3.0 [#]	3.1-4.0	4.1-5.0	5.1-6.0

Table 2 continued

type of plant		log area (m ²)					
		0-2.0	2.1-2.5 [#]	2.6-3.0 [#]	3.1-4.0	4.1-5.0	5.1-6.0
mangroves	mean	0.33	1.35	0.96	2.93	3.00	4.33
	range	0-2	0-4	0-3	1-5	0-6	2-6
total	mean	5.46	11.62	16.38	18.63	39.86	59.99
	range	0-14	2-36	4-28	13-27	32-60	53-64
number of islands		24	26	26	14	7	3

The group of islands with areas of log 2.1-3.0m² has been divided into two to provide groups containing nearly equal numbers of islands.

Table 3. Species with occurrence restricted to islands of certain sizes;

a bar indicates presence.

species ¹	log area (m ²)				
	0-2.0	2.1-3.0	3.1-4.0	4.1-5.0	5.1-6.0
<u>ferns</u>					
Acrostichum aureum				_____	
<u>grasses</u>					
Enteropogon sechellensis	_____				
Sporobolus virginicus ²	_____				
Dactyloctenium ctenoides	_____				
D. pilosum		_____			
Daknopholis boivinii			_____		
Paspalum vaginatum					_____
Stenotaphrum clavigerum					_____
<u>sedges</u>					
Cyperus dubius		_____		_____	
Fimbristylis ferruginea ²					_____
<u>herbs</u>					
Sesuvium portulacastrum	_____				
Tephrosia pumila ²	_____				
Abutilon angulatum	_____				
Portulaca oleracea	_____				
Acampe pachyglossa		_____			
Lomatophyllum aldabrense		_____			
Nescogenes dupontii		_____			
Solanum aldabrense		_____			
Angraecum eburneum			_____		
<u>vines</u>					
Passiflora suberosa		_____			

continued

Table 3 continued

species ¹	log area (m ²)				
	0-2.0	2.1-3.0	3.1-4.0	4.1-5.0	5.1-6.0
Triainolepis africana				_____	
Vernonia grandis				_____	
Calliandra alternans					_____
Malleastrum leroyi					_____
<u>mangroves</u>					
Xylocarpus granatum				_____	
X. moluccensis				_____	

1. Nomenclature follows Renvoize 1971 and Wickens 1974.

2. Species occurs rarely on islands of sizes other than those indicated.

3. The two species listed are not distinguished from one another.

3. Species occurs rarely on islands of sizes other than those indicated.

3. The two species listed are not distinguished from one another.

Table 3 continued

species ¹	log area (m ²)				
	0-2.0	2.1-3.0	3.1-4.0	4.1-5.0	5.1-6.0
<i>Secamone fryeri</i> ²				_____	
<i>Abrus precatorius</i>				_____	
<i>Pleurostelma cernuum</i>				_____	
<i>Dioscorea bemarivensis</i>					_____
<u>woody plants</u>					
<i>Deeringia polysperma</i>		_____		_____	
<i>Dicranostachys microcephala</i>		_____		_____	
<i>Dracaena reflexa</i>		_____		_____	
<i>Ficus nautarum</i>		_____		_____	
<i>Flacourtia ramontchii</i>		_____		_____	
<i>Jasminum elegans</i>		_____		_____	
<i>Maytenus senegalensis</i>		_____		_____	
<i>Phyllanthus casticum</i>		_____		_____	
<i>Pisonia grandis</i>		_____		_____	
<i>Polysphaeria multiflora</i>		_____		_____	
<i>Tarenna trichantha</i>		_____		_____	
<i>Terminalia boivinii</i>		_____		_____	
<i>Tricalysia sonderana</i>		_____		_____	
<i>Ochna ciliata</i>			_____	_____	
<i>Pandanus sp.</i>			_____	_____	
<i>Apodytes dimidiata</i> ²				_____	
<i>Canthium bibracteatum</i> ²				_____	
<i>Clerodendrum glabrum</i> ²				_____	
<i>Cocos nucifera</i>				_____	
<i>Erythroxylum acranthum</i> ²				_____	
<i>Premna obtusifolia</i> ²				_____	
<i>Tarenna supra-axillaris</i>				_____	
and <i>Coptosperma nigrescens</i>				_____	

continued

Table 4. Change in mean frequency of occurrence of species in quadrats on islands of different sizes. Only species occurring on 10% or more of islands studied are included.

type of plant	Change in frequency with increasing area			
	decline	increase	variable ^a	none
grass	Dactyloctenium		Eragrostis	
	ctenoides		subaequiglumis (2)	
	D. pilosum			
	Lepturus repens			
	Sclerodactylon			
	macrostachyum			
	Sporobolus			
sedge	virginicus			
	Cyperus ligularis		Cyperus obtusiflorus	
	Fimbristylis sp.		(2,4)	
herb	Abutilon angulatum		Boerhavia coccinea	
	× Achyranthes aspera		(2)	
	Lagrezia oligomeroides		Cleome strigosa (2)	
	Lomatophyllum		Hypoestes asiatica	
	aldabrense		(2)	

continued

Table 4 continued

type of plant	change in frequency with increasing area			
	decline	increase	variable ^a	none
	Plumbago aphylla			
	Portulaca oleracea			
	P. mauritiensis and quadrifida ^b			
	Sesuvium portulacastrum			
	Tephrosia pumila			
vine	Ipomoea macrantha		Passiflora suberosa	
	Sarcostemma viminale		(2,4)	
woody plant	Azima tetracantha	Allophylus	Acalypha claoxyloides	Pemphis acidula
	Euphorbia pyrifolia	aldabricus	(1,3)	Sideroxylon inerme
	Maerua triphylla	Flacourtia	Asparagus umbellulatus	
	Margaritaria	ramontchii	(2)	
	cheloniphorbe	Terminalia	Ficus avi-avi (3)	
		boivinii	F. nautarum (3)	
			F. reflexa (2)	
			Maytenus senegalensis	
			(4)	

continued

Table 4 continued

type of plant	change in frequency with increasing area			
	decline	increase	variable ^a	none
			Mystroxyton aethiopicum (4)	
			Phyllanthus casticum (2,4)	
			Polysphaeria multiflora (2,5)	
			Scutia myrtina (1,2,5)	

a. No overall trend in changing frequency is clear. The figures in brackets refer to the log area class in which the species occurs with greatest frequency; 1 indicates log area class 0-2; 2, log area class 2.1-3.0; 3, log area class 3.1-4.0; 4, log area class 4.1-5.0; and 5, log area class 5.1-6.0.

b. The two species listed are not distinguished from one another.

Table 5. Comparison of the percentage variation in numbers of vascular plant species on islands accounted for by area and altitude in this and other studies.

place	model ¹	% variation accounted for by:		source
		area	altitude	
N.W. Hawaiian islands	linear (sm)	69.8	11.7	Amerson, 1975
Galápagos	linear (m)	0.67	44.57	Hamilton et al., 1963
"	log-log (m)	58.49	1.10	"
"	linear (s)	37.95	50.47	Johnson and Raven, 1973
"	log-log (s)	77.97	not quoted	"
Californian islands	linear (s)	50.39	26.41	Johnson et al., 1968 ²
"	log-log (s)	67.78	59.57	" ³
"	linear (sm)	57.9	not quoted	Power, 1972
"	log-log (sm)	68.2	not quoted	"
British Isles	linear (s)	48.36	39.21	Johnson and Simberloff, 1974
"	log-log (s)	47.90	32.14	"
"	mixed (s)	59.12	26.69	"
Aldabra Atoll	linear (sm)	44.4	16.04	Hnatiuk, this study
"	log-log (sm)	62.16	2.10	"
"	mixed (sm)	69.75	9.42	"

continued

Table 5 continued

1. Letters in parentheses indicate type of regression analysis used, thus: s = simple regression, m = multiple regression, and sm = stepwise multiple regression.
2. and 3. Using multiple regression, it was found that the percentage variation accounted for by area and altitude together is (2) 61.84 on the linear model and (3) 67.80 on the log-log model.

Errata

<i>Acampe rigida</i>	for <i>Acampe pachyglossa</i> in H
<i>Cyperus niveus</i>	for <i>C. obtusiflorus</i> in F
<i>Cyperus niveus</i>	H
<i>Cyperus niveus</i>	W
<i>Eugenia elliptica</i>	for <i>Eugenia cotinifolia</i> in F
<i>Fimbristylis cymosa</i>	for <i>F. obtusifolia</i> in F
<i>Hypoestes aldabrensis</i>	for <i>Hypoestes asiatica</i> in H
<i>Margaritaria anomala</i>	for <i>M. cheloniphorbe</i> in F
<i>Margaritaria anomala</i>	for <i>M. cheloniphorbe</i> in H
<i>Hedyotis prolifera</i>	for <i>Oldenlandia corymbosa</i> in F
<i>Paspalum distichum</i>	for <i>P. vaginatum</i> in H
<i>Paspalum distichum</i>	for <i>P. vaginatum</i> in F
<i>Portulaca mauritiensis</i>	for <i>P. quadrifida</i> in H
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